THE SEED

MARCH 1986
VOL.8 NO.3

NEWSLETTER FOR APPLE PEOPLE

APPLE PI

PRESIDENT'S REPORT

The march meeting is just around the corner and this is the meeting of the first ever Apple Pi Auction. If you have computer goodies that you want to sell at the auction then bring them along with the form in the back of the Seed to the meeting. In order to make things work we need all item to be checked in before the auction. Each person that brings things to be auctioned will be given a seller number and we will keep track of the items through that number. All the people that come to buy will be given a buyer number. The sellers should put a lowest sale price on the form and that will be the starting bid price. If no one bids at that price then the item will be returned to the seller. Sellers will be able to sell there un auctioned items at the Sunday Core Meet at the March Garage sale. If any of you don't want to come to the auction but you have stuff to sell then plan to bring your goodies to the Core meet.

So far we have no itrest in the Appleworks contest. Is anybody home? A couple of months ago I offered to put together an AppleWorks workshop. The problem is that we do not have any idea how many people want to come. If we get enough people we will have to rent a meeting room. If we have to rent space then each person will have to kick in a small fee to pay for the overhead. If you want to come the AppleWorks workshop please put your name and phone number on a card and give it to one of the officers at a meeting.

Apple Pi will soon be putting several Mac disks into the library. Also the first ever Apple // 3.5 disk will soon be in the library. Remember that the library grows because people like you contribute PD software.

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denver apple pi Seed

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MEMBERSHIP INFORMATION

APPLE PI is an Apple Computer Users Group - not affiliated with Apple Computer, Inc. - that provides many member benefits, some of which are:

MONTHLY MEETINGS - On the first Thursday of each month at 7:00 p.m. APPLE PI holds its general meeting at the Green Center, Colorado School of Mines Campus, Golden, Colorado. This meeting is a combination of an informational meeting, new product announcements, and a short business meeting. The members are given an opportunity to buy computer supplies a little above cost. Software products are given away as door prizes.

On the Sunday following the general meeting there is an informal meet which is usually held at the Clear Creek Office Park, 4251 Kipling, in Wheat Ridge. This meeting is from 10:00 a.m. until 3:00 p.m. and provides a more informal environment to seek or give advice to fellow members and get copies of programs from the APPLE PI Library. Both of these meetings are open to the general public but only members have access to the club library and products that are sold.

PROGRAM LIBRARY - APPLE PI currently has a library of 9,000 programs. All current disks are in 16 sector (3.3, Pascal, CP/M) format and are available to any member. APPLE PI Members can obtain copies from the library:

1) By coming to the monthly informal meeting (swap meet);
2) By written request to the club librarian (at any meeting or by mail);
3) By electronic mail on APPLE PI's bulletin board system:

DISK OF THE MONTH - Each month a collection of some of the best programs donated to APPLE PI during the preceding month are made available. The DOM can be purchased at any group meeting or by mail.

DUES - Current membership dues are **$18.00** per year, with a one-time application fee of **$10.00.** Checks should be made payable to DENVER APPLE PI.

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NOTICE

Articles, stories, and other items in the Seed may be copied or used by other clubs or groups as long as credit is given to Denver Apple Pi and the author of the article. On reprints please include the date or volume number from the Seed.

ADVERTISING RATES

1/4 Page	$ 25.00
1/2 Page	$ 40.00
Full Page	$ 70.00

COEDS

NEW EDITORS

Hello,
We the editors wish to express our thanks to the members for allowing us to help with Apple Pi and the Seed. First if any of you have read the bulletin board you noticed a little memo about ourselves. The title of coeds came from our faitful and friendly librarian Ed Thompson. Thanks Ed. I am Troy Bethune and currently a student at Thornton High School in Thornton. I am a member of our schools computer club and try to help it survive low attendance. I own an Apple //e and I enjoy computing and I hope to learn more about the Apple by participating in Apple Pi. My hopes are to learn Assembly by the summer while keeping up in Pascal. My collegue is Eric Crosby, co-editor and friend at school. Eric currently doesn't have an Apple but is looking for a Macintosh. Eric participates in the school computer club as a non-elected or confirmed librarian. Eric actively seeks new programs dealing in music and graphics. I've introduced Eric and now he will say a few words in his defense. Eric...

Due to unforseen circumstances Eric will give his introduction on the BBS and in nest month's issue of the seed.

Greetings users,

I am Eric Crosby, the other half of the editing team for the seed. I intend to maintain the Seed in a professional manner. I storngly incourage any letters with comments, questions or sugestions (please, no requests to hang one or more of the editors). You may contact me either by mail sending it to...

Eric Crosby
385 Starlight rd.
Thornton Co. 80221

or by leaving a message to Randall Ainsly or on the Apple Pi BBS. I hope I will will be hearing from you soon.

NEW MEMBERS

Take advantage of all the Apple Pi Club has to offer, and get your membership $$ worth! Attend general meetings, and Core meets, get to know other members with similiar computer interests. One of the best ways to really get to know club members, and therefore expand your range of computer learning, is to volunteer to help - there are just a few people doing some really large jobs to keep this club going. You need no computer expertise to assist with some of the club volunteer work. Many hands make light loads! If you have any new-member, new-computer owner questions, please feel free to call Liane Nusse, New Member Officer, at 279-5763.

KIDS STUFF

Trying to find ideas to use with your children and the Apple? Two publications I depend on to keep me informed in this area are; Family Computing, (available at most supermarkets etc.) and Teaching and Computers (address below) Family Computing is an excellant all-around non-technical computing magazine, with many interesting articles to just about every family member. Some examples of articles in a recent issue; "Skill building software at home; back to basics - "Buyers guide to color printers" - "Organize your home business with a Data Base" - the magazine also includes monthly computing clinic questions and answers, simple programs to type in yourself, a regular home/money management column and much more. Teaching and Computers is written for teachers of grades k - 6, it is a clearly understandble magazine with many projects to do with kids. I have learned much myself simply by using the step by step project guides with kids. Some typical articles; "American Indian Date File" - "Deck the halls with logo ornaments" (this article included written out programs in

logo, which produced really neat tree ornaments!) "Learning disabilities guide" -"Here comes Halley's Comet!" - also included monthly - full size color posters, challenge cards to use as a learning guide, Micro times (a four-page mini-magazine for kids) and much more. Addresses; Teaching and Computers ($16.95 year), Scholastic Inc. Box 2040. Mahopac, NY 10541 Family Computing, Box 2512, Boulder Colo. 80321 (17.97 year) Also available at local stores, supermarkets, etc. P.S. - Forgot to mention one of the most valuable assets of both magazines - they both include monthly software reviews, both reviews are dependable. QUESTIONS ABOUT KIDS AND COMPUTING? CALL LIANE NUSSE 279-5763

UNUSABLE DISKS NEEDED!

UNUSABLE, DISCARDABLE DISKS WITH ENVELOPES NEEDED FOR TEACHING PRESCHOOLERS HOW TO HANDLE DISKS - IF YOU HAVE ANY SUCH DISKS AND WOULD LIKE TO DONATE THEM PLEASE BRING THEM TO THE NEXT APPLE PI GENERAL MEETING AND GIVE THEM TO THE NEW MEMBER OFFICER, LIANE NUSSE - THANK YOU !!

A THANK YOU -

Thanks to ACMS, Inc. Hardware Specialists, 1115 Washington Golden, for doing an excellant complimentary cleaning and adjusting to the Apple Pi Club Epson printer. It works and looks great!

Notes concerning stolen or "Hacked" programs.

This information is for those people who are not associated with the software business. An illegal copy of a program is stealing. Quit saying you are copying or 'Hacking' a program. It is stealing. The other day I read the fines and penalties that can come from illegally copying a program. They range from a small penalty of a thousand dollars to the larger fine of up to $50,000 in addition to actual damages, plus criminal penalties of up to one year imprisonment and /or a $10,000 fine. So one may say the publishers can't do anything but they would be in the wrong. If a $500 dollar program is worth a minimum of $10,000 dollars then stealing is fine and you should keep on paying the fines. Many 'Hackers' believe that when tey steal the software they are only hurting a giant company. But they are wrong. The programmer lives of the commision from the sales of the program. When one steals a program, the person is not stealing from a company per se, but from an individual just like the thief.

As an example lets take a programmer. Let's call him Doug. Doug is the average american, two point eight children, a dog, and has a thirty year mortgage of a $100,000. Doug's wife Betsy works at a bank and has a steady income. Doug works about sixty hours aweek on a new spreadsheet program for a year. That's 3120 hours/year of work. This year stealing from the company is on a rise. Of five-hundred copies of Dougs spreadsheet program he gets ten percent. Dougs company he works for sell his spreadsheet to be comparable with the Lotus series, about $400 a copy. At this rate Doug's yearly income is only $20,000. With his wifes income of $17,000 a year the total comes to $37,000 a year and $11.85 and hour. But stealing is on a rise. Only 200 copies of Doug's program gets sold because the other 300 possible customers recieved stolen property by friends who,"...only made one copy for thier friends." Doug's yearly salaryl immediately becomes $8,000 and $2.56 an hour. Less than minimum wage! His family is now living on $25,000 a year. But

that's not all. His .8 child has just become a full one. Betsy quit her job to watch the baby and is recieving, at the most, half-pay for maternity leave. Poor Doug is now moving to skid row since his family can barley manage on $16,500 a year.

Librarian's Report

DOM sales in February totaled 40 and 156 library copies were made. We want to remind you that you can now copy past DOM's over 12 months old for the standard $1.00 copy fee. Also, we now have the complete International Apple Core DOM series available. For CP/M users we now have 195 volumes, for Apple Pascal users we have 37 volumes, and for Appleworks users we have 18 volumes.

The March DOM is two-sided and has a collection of the best utilities available in the library. Itcontains the programs shown on the labels below. Side one of the DOM has 41 disk based utility programs and side two has 17 utility programs of various types. Everyone should find something that is useful.

On side one, you will find Flash Copy which does very quick full disk copies, Diskscan which verifies a disk and marks bad sectors in the VTOC, Type Command which replaces the DOS Verify command with a Type command, Catalog Alphabetizer, Catalog Improved which provides starting addresses and file lengths, Change Boot Program, Copy DOS which will replace the DOS image with a fresh copy of DOS, Delete DOS which creates a data disk with 32 extra sectors, six different menu programs and many many more.

On side two, you will find Sector Editor which allows you to write directly to disk, Text Editor which writes text files, Binary Entry Utility which is a word processor for hexadecimal code entry, Binary to Text Converter to prepare binary files for upload by modem, The Cat which is a disk library tool, Compactit V1.0 which prepares entire disks for uploading, and many others.

Denver Apple Pi's Special Utilities Disk
68 MAR 1984 DOM

APPLESOFT	CATALOG A	CATALOG B	CATALOG C	CATALOG E	CATALOG I
CHANGE BO	CHANGE BO	CHANGE VO	CHANGE VO	COPY DOS	COPY VTOC
CORRECT V	DELETE DO	DELETE DO	DISK ARRA	DISK ARRA	DISK MAP
DISK MAP.	DISK MAST	DISK SORT	DISK SPEE	DISK SPEE	DISKSCAN
DISKSCAN	DOS-MODIF	DUMP MEMO	FIND TRAC	FIX FILE	FLASH COP
FREE SECT	FREE SPAC	MENU	MENU APPL	MENU BINA	MENU CLC
MENU EGNE	MENU MASS	MENU READ	MVDOS	MVDOS.X	RECONSTRU
RESTORE D	T/S DISPL	T/S FINDE	TYPE COMM	VERIFY DI	

Denver Apple Pi's Special Utilities Disk
68 DOM SIDE 2

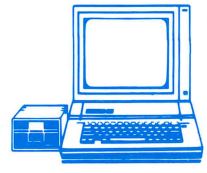
AE MACRO UTILITY 1.0	BASE CONVERTER	BIN TO TEXT CONVERTER
BINARY ENTRY UTILITY	BINARY START & LENGTH	CAT THE
CAT1	CAT2	COMPACTIT V1.0
FID	FILE CONVERTER 2.0	FILE CONVERTER 2.0.0B
IDENTIFY MACHINE	IDENTIFY SYSTEM CONFI	INTEGER BASIC LOADER
MENU	READ SECTOR 3.3	SECTOR EDITOR
TEXT EDITOR	TEXT EDITOR DOCUMENTA	TEXT FILE LISTER
TEXT FILE RANDOM FROM		

Please note that the disk catalog has been extensively revamped and now all of our Apple II software is cataloged on it. This includes the ProDOS, Appleworks, Pascal, CPM, Personal Domain, and Sales disks. After the general meeting and as time permits we will update your catalog for you.

For Mac users, Apple Pi BBS Sysop Steve Martin has provided the club with a 35 disk Mac library which will be available at core meets if you have the copy machine. And there will also be 60 disks of MSDOS programs which you may copy again if you provide the machine.

Please note elsewhere in the Seed the notice for another series of South Core Meets.

See You at the General Meeting,

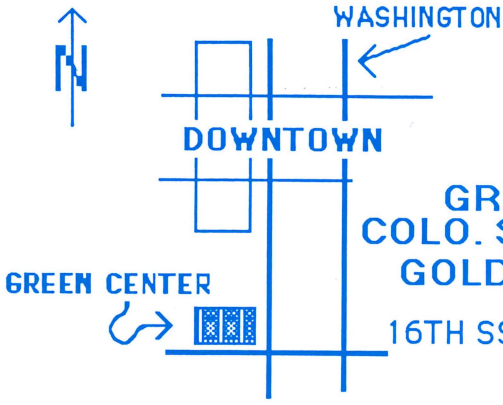


Ed Thompson, Software Librarian

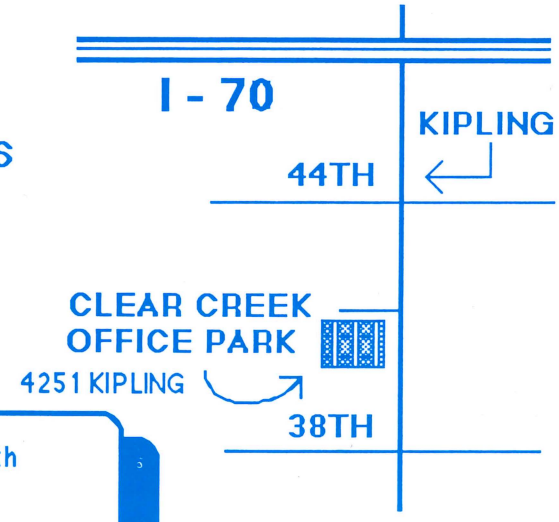
From page 4

So one might say that the thief is not only stealing from the programmer, but also his children and wife. If a 'Hacker' is out there reading this saying,"Yeah, that's what you say." Just ask any programmer either at the software company or at the Thursday Core meet and they will back up my facts with thier own true story. 'Hacking" is a crime, and should be stopped because it really is plain old stealing like any other burglar or robber.

GENERAL MEETING



CORE MEET



GENERAL MEETING 7:00 PM first Thursday of each month

CORE MEET 10:00 to 3:00 Sunday after General Meeting

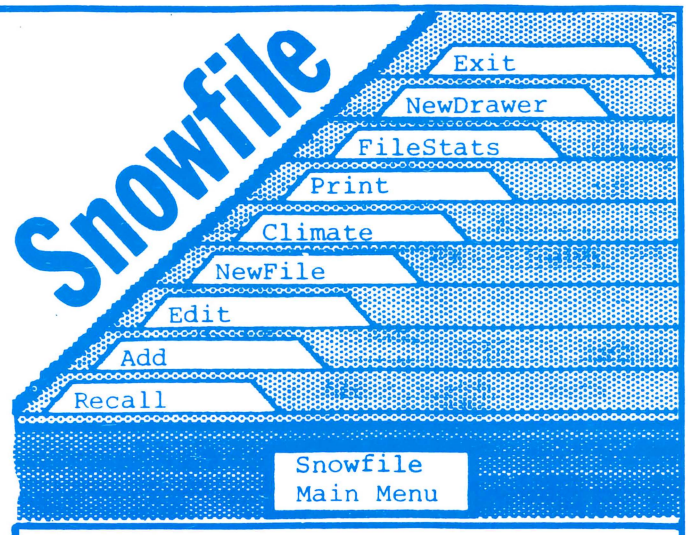
Special Trial Offer

At one time or another, everybody needs a good database program. Unfortunately, most programs that are available today are either expensive, or difficult-to-use, or both. For these very reasons, we created Snowfile.

Snowfile is an easy-to-use database program that is designed to handle all of your filing needs. Working on an Apple][+, //e, or //c, Snowfile can store a phone list, a mailing list, an inventory list, or any other file you could keep on paper in a conventional filing cabinet. Best of all, you can learn to use Snowfile in under five minutes.

We believe you should have a chance to try software before you buy it. Here's how our offer works: all you have to do is complete the coupon below and send it to us along with a check for $29.95. As soon as we get your order, we'll mail you a copy of Snowfile, and hold on to your check. Try Snowfile for 30 days, and if you decide not to keep it, just send it back to us and we'll send your check back to you (no questions asked). If we haven't received your copy back after 30 days, we'll cash your check.

We think that Snowfile is the best database program on the market today, and we think you will too. Take the time today to mail your order for a copy of Snowfile.



Enclosed you will find my check for $29.95.
Please mail my copy of Snowfile to:

Name: _____

Address: _____

City: _____ State: _____

Zip: _____

Mail this form to: Snowbound Technologies
11735 West 72nd Place
Arvada, CO 80005-3204

And I Prefer...

a commentary by
Trent R. Hein

After having been around computers for a few years, just about everyone developes a certain sense of what is right and wrong around computers. Unfortunately, these ideas are often somewhat incorrect, and therefore I set out upon a great mission to re-educate some of the poor, mislead individuals who have not necessarily been correctly instructed in the proper use of a computer. This is not to say that they have not been instructed, but almost anyone who has ever taken a class in some aspect of computer science knows that it is not uncommon for most of the students to be more experienced than the instructor.

Please remember that the ideas I present here are not simply my own opinion, but are based on facts and opinions of many experts in the field of computer science. It is, of course, your responsibility to decide if these apply to your situation.

First of all, I want to address the subject of disk drive doors. Being both a student and a teacher, I have seen quite a few computer labs and computers that are off, not being used, and have their drive-doors closed, both with and without a disk in them. This is unquestionably incorrect. When the drive door is closed, a mechanism inside the disk drive positions the read/write head in contact with the pressure pad that provides a buffer on the other side of the disk. This pressure (when the computer is off) can both damage the read/write head and crush the pressure pad. It is, therefore, suggested that when your computer is not in use you remove the disk and leave the disk drive door open. Many argue that closing the disk prevents dust from entering the disk drive. While dust may enter the disk drive with the door open, it would have to travel fairly far back into the disk drive before it could get to anything important, and even then most components in the drive are safely sealed. The one exception is when transporting your drive (like to the repair shop), the white card that originally came in the drive should be placed in it and the drive door closed. This will keep the drive mechanism from shifting during in the event of a strong impact.

Next comes printers. Many people sit down to do something like word-processing (that they know will require the use of their printer) and not turn their printer on with the computer. According to them, they are "saving energy," but they are really endangering their files (this happens to come from personal experience). First of all, printers, when not printing, use very very little energy. There is certainly nothing wrong with saving energy, but there is another problem...it is possible that when the printer is turned on after the computer is the printer can send a voltage spike though the entire system. In my case, that voltage spike caused the erasure of the directory of my word-processing disk. So please, always turn your printer on before you turn your computer on. You never know when you're going to need it.

Computers are fairly expensive items, and most computer users try to cut corners where they can. I would strongly suggest that one item you shouldn't cut corners on is printer ribbons. We all know people that replace their ribbon only when it is absolutely impossible to distinguish any imprint on the paper. Don't delay replacement of your printer ribbon for such a long time. Not only does the ribbon provide a method of printing on the paper, but also provides a lubricant for the printhead. If the ribbon is allowed to become completely dry or torn, the printhead can be severely damaged. I would suggest that you replace your ribbon when you see that it is printing light-gray instead of black.

Next comes the topic of HIMEM and LOMEM statements in BASIC programs. Occasionally I run across a person who has been taught that every program must contain either a HIMEM or LOMEM statement. This is far from the truth. There are many cases when HIMEM or LOMEM or both are mandatory, but more often they are not necessary. Of course, HIMEM and LOMEM statements can do no harm if used

properly, but the average programmer doesn't consistently use them properly. If you must use a HIMEM or LOMEM statement, please ask someone who is experienced with their correct use to help you. Otherwise, you may find your program has been eaten by a stray variable table.

Now, for my personal pet peeve: video monitors. I have seen in many computer labs where students are taught to leave the video monitors on (with the computers turned off) because the next class will be in "soon" and it's "better for the monitors." I am told that whether you leave the monitor on or off is insignificant, so as far as actual damage or wear on the monitor, it doesn't matter. What does matter (and this is my opinion) is that most video monitors emit a very high-pitched tone when they are on with no video signal connected to them. This tone is VERY annoying to those of us who can hear it. Therefore, do us a favor...when you're planning on leaving your computer off for a while, turn the monitor off with it.

South CoreMeet

Arrangements have been made to hold three additional South Core meets at Overland High School in Aurora. Overland High is at 12400 East Jewel which is just east of Peoria at Jewel. The meetings will held in the computer lab which is we believe at the south end of the school. The facilities are being made available through the courtesy of Rod McKinney who sponsors the Overland High Computer Club and the Cherry Creek School District.

Three meetings are scheduled and will be held the third Thursday of the month from March through May. Those dates are as follows:

Thursday March 20
Thursday April 17
Thirsday May 15

The lab will be available from approximately 6:15 to 9:30 PM. We will present a DOM demonstration and then provide library copying and limited Pi Store Sales. After these three meetings we will look at the results and continue or seek another location as seems best.

See some of you we hope at the new South Core Meet!

OFFICERS

It is that time of year when Apple Pi gets ready to vote for new Board Members. The By-laws call for nominations two months before the election in May. The offices that are open are:

President
Vice President
Secretary
Treasurer
Director at large

The membership does not vote on other offices such as Software Librarian or BBS Sysop. Those officers are installed by the Board of directors. Nominations have been accepted for the following positions:

Director at large - Tom Angelos
Director at large - Bob Raforth
Treasurer - Bob Hein
Secretary - Randall Ansley
Vice President - Trent Hein
President -

At the March general meeting the members will have the chance to nominate others to these positions. The voting is done by Apple Pi mailing a ballot to the members that must be returned by a spacific date. This date will be on the ballot.

Heard on the street

This begins a column of odds and ends pertinent mostly to Apple II users. We will try to be a clearing house for the ever present Apple related rumor as well as what's up in general.

Best rumor of the month comes from PC Week's front page story. John Sculley is reported to have begun a process of creating IBM PC compatability in both the Mac and II lines. Apple currently is developing file and media compatability with IBM and has research projects involving 80286 and 80386 co-processors to fit inside future Macs and IIs. Third party firms said to be involved are Dayna Communications, AST Research, Tecmar, and Phoenix Software Associates.

The compatability is expected to be introduced with 3 or 4 updated products posibly before year end. An Open Mac with 68020, an IBM co-processor, and one slot is to be followed by an even more open Mac with several slots, and a 17 inch color monitor.

The II line is expected to see the 16 bit 65816 processor with both Mac and IBM co-processor boards available. A low end low cost version of the II will continue.

One third party, The Engineering Department, Inc., really lives up to its name as it includes such ex-Apple designers as Peter Quinn former IIe hardware manager, Wendell Sanders designer (director?) of the Apple III, and Cliff Huston designer of the Apple II disk analog controller. Among TEDI's projects is a 640 K 80286 co-processor for the IIe.

Not to be outdone, the engineers working out of Wozniaks new facility in Los Gatos, California have detailed the basic design for a 286 co-processor board and are also working on a chip that will allow Apple computers to read and write data to IBM format disks.

By the way, Apple's own new Apple User Group Evangelist, Ellen Leanse, can be reached at Apple Computer, Inc., MS 23G, 20525 Mariani Avenue, Cupertino, Calif. 95014.

International Solutions, producer of MouseCalc and MouseWrite is now giving away their MouseDesk software. It seems they were a little unhappy with the decision to package Catalyst with the 3.5 inch drive so what the heck, MouseDesk is now free. Look at A+ Magazine's March Issue for a review of both but be sure to order yours before March 31, 1986 because after that the deals off. And send $10.00 per copy for postage and handling to International Solutions, P.O. Box 3541, Saratoga, Calif. 95070 or call them at 408-773-0443. If it were up to us, every Apple IIe user would immediately send the $10.00. MouseDesk is an excellent product at its original $40.00 price but for free, well what's there to say. Also, we wouldn't be surprised to see an enhanced MouseDesk out as soon as the supply of the present one is exhausted.

Well Checkmate appears to be backing off on the Lotus 123 lookalike for the IIe. In February, they advertised free distribution of VIP Professional with the 16 bit upgrade to their MultiRam card. Now its a limited offer and the package is $319.95. Now didn't we just see the 16 bit upgrade for $120.00 or so mailorder?

Finally, there is a decent patch program to run Appleworks on a II+. Norwich Data Services offers a patch which supports almost every non-auxilliary slot ram-card and 80 column card ever made. It redefines keys without use of a joystick so all of the Appleworks commands can be entered directly from the keyboard. It even works with the IIe though slot 0 ram is not now recognized and offers expansion of the database to over 4200 records.

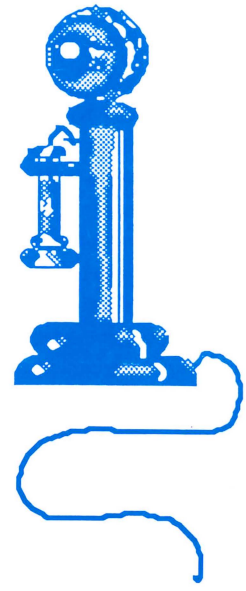
Apple recorded a record 4th quarter 1986 profit on fewer unit sales than last year. IBM has 100,000 PCjr's still in the warehouse. The State of Alabama just bought 6,000 IIe's for 1,400 schools. Hercules Graphics will file suit against two mail order stores for selling copies of Hercules documentation with far east copies of Hercules graphics boards. Central Point Software is now plugging the Laser 128 Apple IIe compatabile for $395.00. It looks a lot like a IIc, has a 65C02, 5 1/4" drive, serial port, parallel port, mouse port, modem port, joystick port, 1 standard expansion slot, 2nd disk drive port, 90 keys including keypad and 10 function keys, 128 K memory, and Microsoft Basic in ROM. They claim it is fully IIe compatibile and even throw in a Copy II+ for good measure.

For our IBM readers, if they haven't quit reading by now, have you noticed the Orchid and and Above Board PS cards which provide multifunctions plus Lotus/Intel/Microsoft memory expansion on a single card. And have you been deluged recently with upgrades to about every piece of IBM software you have? Fully half what we like to keep on our hard disk is new in the last 2 weeks. VP Planner from Paperback software at $100.00 is being reviewed as an outstanding buy. It is 123 release 1A compatible with enhancements including dBase III import/export capability.

Apple goes to court this week versus Microcom of Canada which has 68 stores which openly sell pirated software over the counter. Dbase III goes for $40.00 and or they will trade 1 for 1 if you have something they don't. Canadian copyright law unchanged since 1924 provides little protection against software piracy.

The Apple Sleath

APPLE PI



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IS HERE!

To get the most out of any computer, programs should be written in machine language. Machine language is made up of numbers and those who program entirely in machine language, sooner or later will need a rubber room. Assembly language can give us the greater speed associated with machine language, while retaining some of the ease of comprehension of a high-level language like BASIC or Pascal.

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USE THIS FORM TO LIST THE ITEMS THAT YOU WISH TO HAVE AUCTIONED AT THE MARCH MEETING OF DENVER APPLE PI

NO.

NAME _____

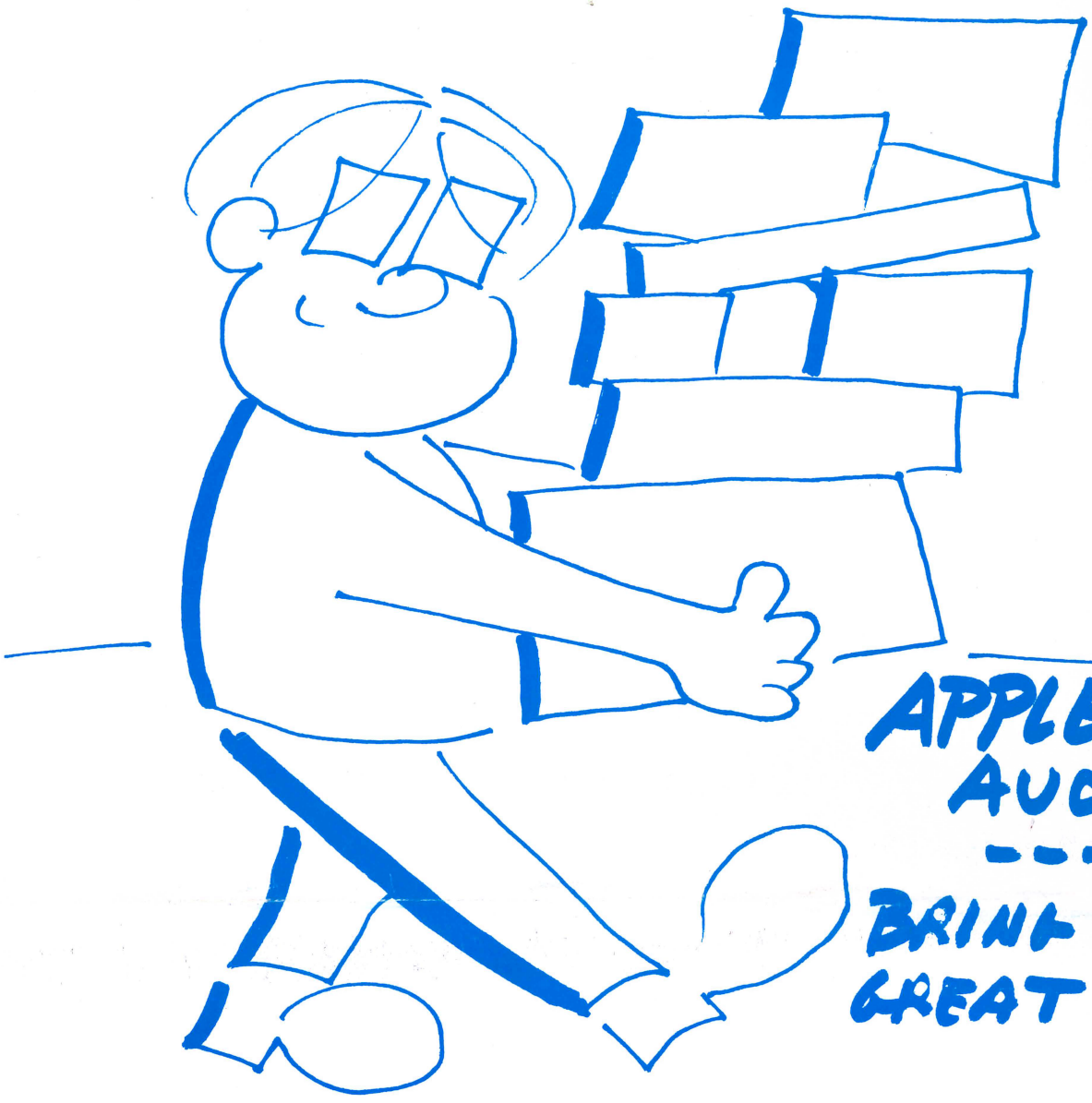
ADDRESS _____

CITY/STATE _____ ZIP _____

PHONE _____

DESCRIPTION	LOWEST PRICE

ITEMS MUST BE CHECKED IN AT THE MEETING
SO NUMBERS CAN BE ISSUED



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AT THE MEETING

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